BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Issued to :

Original / Duplicate

Name of Work: Construction of tank and providing pump set for de-watering in flood areas in Ward no. 05, Jakkur, Byatarayanapura Sub Division

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	1098.10	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m	Cum	213.90	Rupees Two Hundred Thirteen and Ninety Paise Only
2	9.00	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications.	Cum	2817.10	Rupees Two Thousand Eight Hundred Seventeen and Ten Paise Only
3	86.70	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates.	Cum	6109.40	Rupees Six Thousand One Hundred Nine and Forty Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
4	73.84	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.	Sqm	1315.60	Rupees One Thousand Three Hundred Fifteen and Sixty Paise Only
5	36.04	Providing Flush / Ruled/ Struck or weathered pointing Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineerin- charge	Sqm	151.80	Rupees One Hundred Fifty One and Eighty Paise Only
6	6.21	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA).	Cum	7892.28	Rupees Seven Thousand Eight Hundred Ninety Two and Twenty Eight Paise Only
7	9.98	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately)	Cum	6893.04	Rupees Six Thousand Eight Hundred Ninety Three and Four Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
8	745.47	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately).	Cum	105.60	Rupees One Hundred Five and Sixty Paise Only
9	0.60	Supplying, Fitting and Placing TMT Fe550 bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200	Cum	101387.00	Rupees One Hundred One Thousand Three Hundred Eighty Seven Only
10	36.00	Providing and Fixing pre cast covering Slab 100mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate)	Sqm	2072.00	Rupees Two Thousand Seventy Two Only
11	30.00	Providing and Fixing pre cast covering Slab 230mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate)	Sqm	5037.00	Rupees Five Thousand Thirty Seven Only
12	1098.10	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3)	Cum	81.40	Rupees Eighty One and Forty Paise Only
13	1098.10	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km	Tkm	115.50	Rupees One Hundred Fifteen and Fifty Paise Only
14	1.00	Providing Lubi make 10 HP 3 Phase dewatering submersible pump with outlet 4"	No	106525.00	Rupees One Hundred Six Thousand Five Hundred Twenty Five Only
15	15.00	Providing 160 mm PVC pipe 6 kg/sqcm	Mtr	900.00	Rupees Nine Hundred Only
16	5.00	Providing and fixing 160 mm PVC elbow	No	525.00	Rupees Five Hundred Twenty Five Only
17	3.00	Providing and fixing 160 mm PVC collar	No	370.00	Rupees Three Hundred Seventy Only
18	2.00	Provding and fixing 160 mm PVC ball wall	No	4350.00	Rupees Four Thousand Three Hundred Fifty Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
19	1.00	Providing and fixing MS gate of size 0.6x0.6 mtr	No	9000.00	Rupees Nine Thousand Only
20	1.00	Providing MS cover with frame of size 0.9x0.9 mtr	No	8000.00	Rupees Eight Thousand Only
21	20.00	Supplying of 1.1KV LT UG cable XPLE or heat resistant PVC Insulated PVC eatruded inner sheath armoured UG LT cable as per IS -1554(Part-1) or IS-7098 Part-1,Armouring strip thickness in average +5% and resistivity 14ohms/kms(max) as per IS -3975 4 core 16sqmm	Rmtr	150.00	Rupees One Hundred Fifty Only
22	20.00	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stone pipe / on wall/ on pole as required 6 sqmm to 16 sqmm.	Rmtr	11.88	Rupees Eleven and Eighty Eight Paise Only
23	20.00	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 V as per IS-694:2010. 3C x 6 mm2	Mtr	242.00	Rupees Two Hundred Forty Two Only
24	1.00	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor Above 12.5 HP upto 25 HP	Each	8640.00	Rupees Eight Thousand Six Hundred Forty Only
25	22000.00	Fabricating supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clA with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete.	Sq.Cm	0.38	and Thirty Eight Paise Only
26	1.00	Labour charges for erection of outdoor type panel board and meter boardunits with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work.	No	1390.50	Rupees One Thousand Three Hundred Ninety and Fifty Paise Only
27	450.00	Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material by Mechanical Means using Hydraulic excavator with in all lifts and lead	Sqm	4.40	Rupees Four and Forty Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
28	45.00	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work	Cum	120.78	Rupees One Hundred Twenty and Seventy Eight Paise Only
29	67.50	Construction of Granular Sub-Base of required grading as per design spreading in uniform layers with motor grader on prepared surface mixing by mix in place method with front end loader at OMC and compacting with vibratory roller to achieve the desired density, complete as per clause 401 B.Place Mix Method (v) For Grading -V Material	Cum	2457.40	Rupees Two Thousand Four Hundred Fifty Seven and Forty Paise Only
30	112.50	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density	Cum	2633.40	Rupees Two Thousand Six Hundred Thirty Three and Forty Paise Only
31	450.00	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means.	Sqm	48.40	Rupees Forty Eight and Forty Paise Only
32	1350.00	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom.	Sqm	13.20	Rupees Thirteen and Twenty Paise Only
33	22.50	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects	Cum	10877.90	Rupees Ten Thousand Eight Hundred Seventy Seven and Ninety Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
34	36.00	Providing and laying Bituminous Concrete with not less than 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30 @ 4.78% Bitumen and waste plastic 8% of Bitumen of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects	Cum	11740.30	Rupees Eleven Thousand Seven Hundred Forty and Thirty Paise Only
35	3750.00	Providing and fixing Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	Kg	118.80	Rupees One Hundred Eighteen and Eighty Paise Only

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Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92

Note:

1. Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)
2. Unit rates and prices shall be quoted by the Tender in Indian rupees.
3. Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)
4. Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))